

PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Application Number	10/709,653
Filing Date	May 20, 2004
First Named Inventor	Tucker, et al.
Art Unit	3672
Examiner Name	
Attorney Docket Number	78.1182

Sheet 1

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U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
b		US- 4150476	04-24-1979	Kita	
		US- 4077734	03-07-1978	Kita	
		US- 3603414	09-07-1971	Stebley	
		US- 4289211	09-15-1981	Lumen	
		US- 4176725	12-04-1979	Shields	
		US- 2121202	06-21-1938	Killgore	
		US- 2626128	01-20-1953	Boice	
		US- 3134447	05-26-1964	McElya et al.	
		US- 3388757	06-18-1968	Fittinger	
		US- 3401759	09-17-1968	White	
		US- 3442342	05-06-1969	McElya et al.	
		US- 3495668	02-17-1970	Schumacher Jr	
		US- 3599737	08-17-1971	Fischer	
		US- 3628616	12-21-1971	Neilson	
		US- 3726350	04-10-1973	Pessier	
		US- 3727705	04-17-1973	Newman	
		US- 3952815	04-27-1976	Dysart	
		US- 3970158	07-20-1976	Black et al.	
		US- 4006788	02-08-1977	Garner	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
b		EP0501258 A1	09-02-1992	Hughes Tool Co		
		EP0500514 A1	08-26-1992	Sandvik Aktiebo		
		EP0476352 A1	03-25-1992	Hughes Tool Co		
		EP0467870 A1	01-22-1992	Smith Inter		
		EP0453428 A1	10-23-1991	Sandvik Aktiebo		
		EP0449415 A2	02-21-1991	Camco Internat		

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		Number-Kind Code ² (if known)			
		US- 4058177	11-15-1977	Langford, Jr et al.	
		US- 4067406	01-10-1978	Garner et al.	
		US- 4086973	05-02-1978	Keller et al.	
		US- 4108260	08-22-1978	Bozarth	
		US- 4108692	08-22-1978	Quinlan	
		US- 4140189	02-20-1979	Garner	
		US- 4148368	04-10-1979	Evans	
		US- 4150728	04-24-1979	Garner et al	
		US- 4168923	09-25-1979	Vezirian	
		US- 4181187	01-01-1980	Lumen	
		US- 4187922	02-12-1980	Phelps	
		US- 4199035	04-22-1980	Thompson	
		US- 4203496	05-20-1980	Baker, III et al.	
		US- 4211508	07-08-1980	Dill et al.	
		US- 4231438	11-04-1980	Garner et al.	
		US- 4254840	03-10-1981	Shay, Jr	
		US- 4303137	12-01-1981	Fischer	
		US- 4334586	06-15-1982	Schumacher	
		US- 4343371	08-10-1982	Baker, III et al.	

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		EP0142941 A1	05-29-1985	Smith Internat		
		EP0955445 A2	11-10-1999	GE		
		EP0916804 A1	05-19-1999	GE		
		EP0890705 A3	01-13-1999	Baker Hughes		
		EP0852283 A3	07-08-1998	GE		
		EP0823535 A2	08-05-1997	Baker Hughes		

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		Number-Kind Code ² (if known)			
		US- 4343372	08-10-1982	Kinzer	
		US- 4359335	11-16-1982	Garner	
		US- 4372404	02-08-1983	Drake	
		US- 4386669	06-07-1983	Evans	
		US- 4393948	07-19-1983	Fernandez	
		US- 4398952	08-16-1983	Drake	
		US- 4406337	09-27-1983	Dill	
		US- 4420050	12-13-1983	Jones	
		US- 4427081	01-24-1984	Crawford	
		US- 4441566	04-10-1984	Pessier et al.	
		US- 4444281	04-24-1984	Schumacher Jr et al.	
		US- 4481016	11-06-1984	Campbell et al.	
		US- 4531595	07-30-1985	Housman	
		US- 4554130	11-19-1985	Ecer	
		US- 4593776	06-10-1986	Salesky et al.	
		US- 4595067	06-17-1986	Drake	
		US- 4597456	07-01-1986	Ecer	
		US- 4641718	02-10-1987	Bengtsson	
		US- 4657093	04-14-1987	Schumacher	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		EP0802301 A2	10-22-1997	Baker Hughes		
		EP0747566 A1	12-11-1996	Baker Hughes		
		EP0723066 A3	07-24-1996	Baker Hughes		
		EP0527506 A3	02-17-1993	Smith Inter		
		EP0511547 A2	11-04-1992	Smith Inter		
		GB2279095 A	12-21-1994	Smith Inter		

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		Number-Kind Code ² (if known)			
2		US- 4679640	07-14-1987	Crawford	
		US- 4683781	08-04-1987	Kar et al.	
		US- 4694918	09-22-1987	Hall	
		US- 4708752	11-24-1987	Kar	
		US- 4716977	01-05-1988	Huffstutler	
		US- 4722405	02-02-1988	Langford Jr.	
		US- 4764255	08-16-1988	Fischer et al.	
		US- 4781770	11-01-1988	Kar	
		US- 4811801	03-14-1989	Salesky et al.	
		US- 4832139	05-23-1989	Minikus et al.	
		US- 4867015	09-19-1989	Kane et al.	
		US- 4869329	09-26-1989	Kar et al.	
		US- 4887493	12-19-1989	Drake	
		US- 4940099	07-10-1990	Deane et al.	
		US- 4953641	09-04-1990	Pessier	
		US- 4966627	10-30-1990	Keshavan et al.	
		US- 4969378	11-13-1990	Lu et al.	
		US- 4984643	01-15-1991	Isbell et al.	
		US- 5027913	07-02-1991	Nguyen	

FOREIGN PATENT DOCUMENTS

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
2		GB2274129 A	07-13-1994	Smith Inter		
		GB2273726 A	06-29-1994	Baker Hughes		
		GB2273301 A	06-15-1994	Smith Inter		
		GB2270526 A	03-16-1994	Smith Inter		
		GB2253642 A	09-16-1992	Dresser Indus		
		GB2158101 A	11-06-1985	Smith Inter		

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		US- 5045092	09-03-1991	Keshavan	
		US- 5074367	12-24-1991	Estes	
		US- 5119714	06-09-1992	Scott et al.	
		US- 5145016	09-08-1992	Estes	
		US- 5158148	10-27-1992	Keshavan	
		US- 5159857	11-03-1992	Jurewicz	
		US- 5172777	12-22-1992	Siracki et al.	
		US- 5172779	12-22-1992	Siracki et al.	
		US- 5173090	12-22-1992	Scott et al.	
		US- 5197555	03-30-1993	Estes	
		US- 5201376	04-13-1993	Williams	
		US- 5217081	06-08-1993	Waldenstrom et al	
		US- 5248006	09-28-1993	Scott et al	
		US- 5273125	12-28-1993	Jurewicz	
		US- 5279374	01-18-1994	Sievers et al.	
		US- 5279375	01-18-1994	Tibbitts et al.	
		US- 5281260	01-25-1994	Kumar et al.	
		US- 5282512	02-01-1994	Besson et al.	
		US- 5287936	02-22-1994	Grimes et al.	

FOREIGN PATENT DOCUMENTS

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		GB2064619 A	06-17-1981	Smith Inter		
		EP1190791 A2	03-27-2002	Camco Inter		
		EP1182325 A1	02-27-2002	Schlumberger		
		GB2327962 A	02-10-1999	Smith Inter		
		GB2323613 A	09-30-1998	Baker Hughes		
		GB2316112 A	02-18-1998	Baker Hughes		

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		US- 5291807	03-08-1994	Vanderford et al.	
		US- 5304342	04-19-1994	Hall, Jr. et al.	
		US- 5305840	04-26-1994	Liang, et al.	
		US- 5322138	06-21-1994	Siracki	
		US- 5323865	06-28-1994	Isbell et al.	
		US- 5335738	08-09-1994	Waldenstrom et al.	
		US- 5341890	08-30-1994	Cawthorne, et al.	
		US- 5346026	09-13-1994	Pessier et al.	
		US- 5348108	09-20-1994	Scott et al.	
		US- 5348770	09-20-1994	Sievers et al.	
		US- 5351768	10-04-1994	Scott et al.	
		US- 5351770	10-04-1994	Cawthorne et al.	
		US- 5353885	10-11-1994	Hooper et al.	
		US- 5355750	10-18-1994	Scott et al.	
		US- 5370195	12-06-1994	Keshavan et al.	
		US- 5372210	12-13-1994	Harrell	
		US- 5377773	01-03-1995	Tibbitts	
		US- 5379853	01-10-1995	Lockwood et al.	
		US- 5379854	01-10-1995	Dennis	

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		GB2316111 A	02-18-1998	Baker Hughes		
		GB2315777 A	02-11-1998	Smith Inter		
		GB2309242 A	07-23-1997	Dresser Ind		
		GB2307918 A	06-11-1997	Smith Inter		
		GB2306989 A	05-14-1997	Baker Hughes		
		GB2305195 A	04-02-1997	Baker Hughes		

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		US- 5407022	04-18-1995	Scott et al.	
		US- 5415243	05-16-1995	Lyon et al.	
		US- 5415244	05-16-1995	Portwood	
		US- 5421423	06-06-1995	Huffstutler	
		US- 5421424	06-06-1995	Portwood et al.	
		US- 5429200	07-04-1995	Blackman et al.	
		US- 5429201	07-04-1995	Saxman	
		US- 5454437	10-03-1995	Estes	
		US- 5456328	10-10-1995	Saxman	
		US- 5479997	01-02-1996	Scott et al.	
		US- 5494123	02-27-1996	Nguyen	
		US- 5496638	03-05-1996	Waldenstrom et al.	
		US- 5499688	03-19-1996	Dennis	
		US- 5524719	06-11-1996	Dennis	
		US- 5535838	07-16-1996	Keshavan et al.	
		US- 5542485	08-06-1996	Pessier et al.	
		US- 5544713	08-13-1996	Dennis	
		US- 5566779	10-22-1996	Dennis	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		GB2281330 A	03-01-1995	Smith Inter		
		GB2335155 A	09-15-1999	Smith Inter		
		GB2334984 A	09-08-1999	Smith Inter		
		GB2334278 A	08-18-1999	Smith Inter		
		GB2333541 A	07-28-1999	Smith Inter		
		GB2330852 A	05-05-1999	Smith Inter		

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Application Number	10/709,653
Filing Date	May 20, 2004
First Named Inventor	Tucker, et al.
Art Unit	3672
Examiner Name	
Attorney Docket Number	78.1182

U. S. PATENT DOCUMENTS

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8		US- 5588497	12-31-1996	Thorburn	
		US- 5590727	01-07-1997	Tank et al.	
		US- 5592995	01-14-1997	Scott et al.	
		US- 5593474	01-14-1997	Keshavan et al.	
		US- 5624068	04-29-1997	Waldenstrom et al.	
		US- 5630479	05-20-1997	Dennis	
		US- 5636700	06-10-1997	Shamburger, Jr.	
		US- 5637037	06-10-1997	Bergquist	
		US- 5647449	07-15-1997	Dennis	
		US- 5655612	08-12-1997	Grimes et al.	
		US- 5667903	09-16-1997	Boyce	
		US- 5671817	09-30-1997	Smith et al.	
		US- 5678645	10-21-1997	Tibbitts et al.	
		US- 5695018	12-09-1997	Pessier et al.	
		US- 5695019	12-09-1997	Shamburger, Jr.	
		US- 5697461	12-16-1997	Newton et al.	
		US- 5697462	12-16-1997	Grimes et al.	
		US- 5706906	01-13-1998	Jurewicz et al.	
		US- 5709278	01-20-1998	Crawford	

FOREIGN PATENT DOCUMENTS

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8		GB2330851 A	05-05-1999	Smith Inter		
		GB2330850 A	05-05-1999	Smith Inter		
		GB2330605 A	04-28-1999	Smith Inter		
		GB2328966 A	03-10-1999	Smith Inter		
		GB2328965 A	03-10-1999	Smith Inter		
		GB2362406 A	11-21-2001	Smith Inter		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/709,653
		Filing Date	May 20, 2004
		First Named Inventor	Tucker, et al.
		Art Unit	3672
		Examiner Name	
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U. S. PATENT DOCUMENTS					
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		Number-Kind Code ² (if known)			
		US- 5709279	01-20-1998	Dennis	
		US- 5718948	02-17-1998	Ederyd et al.	
		US- 5722497	03-03-1998	Gum et al.	
		US- 5743346	04-28-1998	Flood et al.	
		US- 5746280	05-05-1998	Scott et al.	
		US- 5746281	05-05-1998	Hulkkonen	
		US- 5752573	05-19-1998	Scott et al.	
		US- 5755298	05-26-1998	Langford, Jr. et al.	
		US- 5755299	05-26-1998	Langford, Jr. et al.	
		US- 5755301	05-26-1998	Love et al.	
		US- 5758733	06-02-1998	Scott et al.	
		US- 5766394	06-16-1998	Anderson et al.	
		US- 5791423	08-11-1998	Overstreet et al.	
		US- 5813485	09-29-1998	Portwood	
		US- 5816347	10-06-1998	Dennis et al.	
		US- 5819861	10-13-1998	Scott et al.	
		US- 5829541	11-03-1998	Flood et al.	
		US- 5833020	11-10-1998	Portwood et al.	
		US- 5833021	11-10-1998	Mensa-Wilmot et al.	

FOREIGN PATENT DOCUMENTS						
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		Country Code ² -Number ³ -Kind Code ⁴ (if known)				
		GB2357532 A	06-27-2001	Smith Inter		
		GB2348901 A	10-18-2000	Smith Inter		
		GB2348900 A	10-18-2000	Smith Inter		
		GB2348899 A	10-18-2000	Baker Hughes		
		GB2347957 A	09-20-2000	Smith Inter		
		GB2345707 A	07-19-2000	Baker Hughes		

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Application Number	10/709,653
Filing Date	May 20, 2004
First Named Inventor	Tucker, et al.
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U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5837071	11-17-1998	Andersson et al.	
		US- 5839526	11-24-1998	Cisneros et al.	
		US- 5848657	12-15-1998	Flood et al.	
		US- 5855247	01-05-1999	Scott et al.	
		US- 5880382	03-09-1999	Fang et al.	
		US- 5881828	03-16-1999	Fischer et al.	
		US- 5881829	03-16-1999	Dimond et al.	
		US- 5890550	04-06-1999	Swadi et al.	
		US- 5890552	04-06-1999	Scott et al.	
		US- 5906245	05-25-1999	Tibbitts et al.	
		US- 5915486	06-29-1999	Portwood et al.	
		US- 5921330	07-13-1999	Sue et al.	
		US- 5921333	07-13-1999	Hewitt	
		US- 5924501	07-20-1999	Tibbitts	
		US- 5944129	08-31-1999	Jensen	
		US- 5954147	09-21-1999	Overstreet et al.	
		US- 5967245	10-19-1999	Garcia et al.	
		US- 5979575	11-09-1999	Overstreet et al.	
		US- 5984007	11-16-1999	Yuan et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁴
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		GB2345503 A	07-12-2000	Smith Inter		
		GB2344840 A	06-21-2000	Smith Inter		
		GB2344839 A	06-21-2000	Smith Inter		
		WO99/36658	07-22-1999	Dresser Ind		
		WO99/36215	07-22-1999	Dresser Ind		
		WO98/59148	12-30-1998	Baker Hughes		

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First Named Inventor	Tucker, et al.
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		Number-Kind Code ² (if known)			
		US- 5992546	11-30-1999	Heinrich et al.	
		US- 5996713	12-07-1999	Pessier et al.	
		US- 5996714	12-07-1999	Massa et al.	
		US- 6053263	04-25-2000	Meiners	
		US- 6059054	05-09-2000	Portwood et al.	
		US- 6063502	05-16-2000	Sue et al.	
		US- 6065552	05-23-2000	Scott et al.	
		US- 6102140	08-15-2000	Boyce et al.	
		US- 6102143	08-15-2000	Snyder et al.	
		US- 6105694	08-22-2000	Scott	
		US- 6106957	08-22-2000	Fang	
		US- 6148938	11-21-2000	Beaton	
		US- 6170583 B1	01-09-2001	Boyce	
		US- 6173798 B1	01-16-2001	Bryant et al.	
		US- 6199645 B1	03-13-2001	Anderson et al.	
		US- 6220376 B1	04-24-2001	Lundell	
		US- 6221479 B1	04-24-2001	Waldenstrom et al.	
		US- 6221493 B1	04-24-2001	Reineck et al.	
		US- 6227318 B1	05-08-2001	Siracki	

FOREIGN PATENT DOCUMENTS

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		WO97/32805	10-16-1997	Smith Inter		
		WO97/38204	10-16-1997	Smith Inter		
		WO97/35091	09-25-1997	Dresser Ind		
		WO93/25795	12-23-1993	Baker Hughes		
		WO00/00655	01-06-2000	Sandvik AB		
		GB2396367 A	06-23-2004	Smith Inter		

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		Number-Kind Code ² (if known)			
2		US- 6241034 B1	06-05-2001	Steinke et al.	
		US- 6241035 B1	06-05-2001	Portwood	
		US- 6244364 B1	06-12-2001	Cariveau et al.	
		US- 6260639 B1	07-17-2001	Yong et al.	
		US- 6267797 B1	07-31-2001	Ostlund et al.	
		US- 6290008 B1	09-18-2001	Portwood et al.	
		US- 6294129 B1	09-25-2001	Waldenstrom	
		US- 6299992 B1	10-09-2001	Lindskog et al.	
		US- 6315065 B1	11-13-2001	Yong et al.	
		US- 6326093 B1	12-04-2001	Lindholm et al.	
		US- 6330924 B1	12-18-2001	Hall	
		US- 6345673 B1	02-12-2002	Siracki	
		US- 6371225 B1	04-16-2002	Overstreet et al.	
		US- 6394199 B1	05-28-2002	Skyles et al.	
		US- 6419034 B1	07-16-2002	Belnap et al.	
		US- 6443246 B1	09-03-2002	Pessier et al.	
		US- 6443248 B1	09-03-2002	Yong et al.	
		US- 6454027 B1	09-24-2002	Fang et al.	
		US- 6460636 B1	10-08-2002	Yong et al.	

FOREIGN PATENT DOCUMENTS

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

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		Number-Kind Code ² (if known)			
		US- 6460637 B1	10-08-2002	Siracki et al.	
		US- 6484826 B1	11-26-2002	Anderson et al.	
		US- 6530441 B1	03-11-2003	Singh et al.	
		US- 6561293 B1	05-13-2003	Minikus et al.	
		US- 6571889 B2	06-03-2003	Griffo et al.	
		US- 6640913 B2	11-04-2003	Lockstedt et al.	
		US- 6651757 B2	11-25-2003	Belnap et al.	
		US- 6719074 B2	04-13-2004	Tsuda et al.	
		US- 6739417 B2	05-25-2004	Smith et al.	
		US- 6782959 B2	08-31-2004	Minikus et al.	
		US- 2001/0008190 A1	07-19-2001	Scott et al.	
		US- 2001/0025728 A1	10-04-2001	Minikus et al.	
		US- 2002/0000336 A1	01-03-2002	Claesson et al.	
		US- 2002/0007972 A1	01-24-2002	Yong et al.	
		US- 2002/0029909 A1	03-14-2002	Griffo et al.	
		US- 2002/0070053 A1	06-13-2002	Siracki	
		US- 2002/0084112 A1	07-04-2002	Hall et al.	
			US- 2002/0100620 A1	08-01-2002	Singh et al.
		US- 2002/0148326 A1	10-17-2002	Akerman et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² -Number ³ -Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁵

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Application Number	10/709,653
Filing Date	May 20, 2004
First Named Inventor	Tucker, et al.
Art Unit	3672
Examiner Name	
Attorney Docket Number	78.1182

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U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
3		US- 2003/0051924 A1	03-20-2003	Tsuda et al.	
		US- 2003/0079917 A1	05-01-2003	Klompenburg et al.	
		US- 2003/0188896 A1	10-09-2003	Minikus et al.	
		US- 2003/0226693 A1	12-11-2003	Liang et al.	
		US- 2004/0003946 A1	01-08-2004	Yong et al.	
		US- 2004/0040750 A1	03-04-2004	Griffo et al.	
		US- 2004/0045743 A1	03-11-2004	Lockstedt et al.	
		US- 2004/0084223 A1	05-06-2004	Richman	
		US- 2004/0094334 A1	05-20-2004	Singh	
		US- 2004/0112650 A1	06-17-2004	Moseley	
		US- 2004/0140133 A1	07-22-2004	Liang	
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶

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